

Ficha técnica :

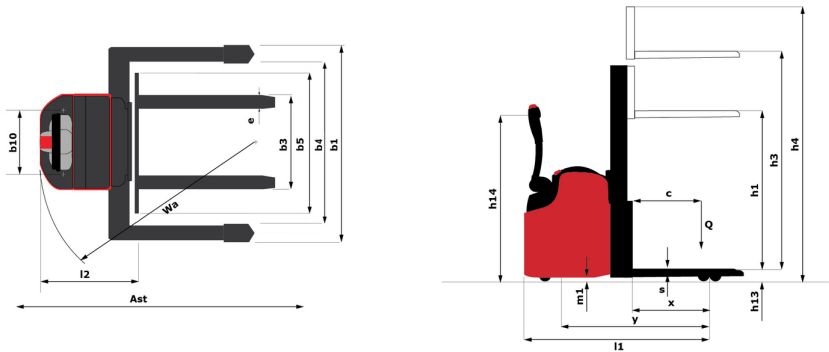
# ES 410 LE

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|       | Technical characteristics                                   |           | Métrico                  |
|-------|-------------------------------------------------------------|-----------|--------------------------|
| 1.1   | Manufacturer                                                |           | Manitou                  |
| 1.2   | Model Name                                                  |           | ES 410 LE                |
| 1.3   | Power source                                                |           | Electrical               |
| 1.4   | Operator type                                               |           | Pedestrian               |
| 1.5   | Max. capacity                                               | Q         | 1000 kg                  |
| 1.6   | Load center of gravity                                      | c         | 600 mm                   |
| 1.8   | Distance from Load backrest to center of rear axle          | x         | 723 mm                   |
| 1.9   | Wheelbase                                                   | y         | 1285 mm                  |
|       | Weight                                                      |           |                          |
| 2.1   | Service weight                                              |           | 920 kg                   |
| 2.2   | Weight on front axle (laden) / rear axle (laden)            |           | 728 kg / 1192 kg         |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)        |           | 644 kg / 276 kg          |
|       | Wheels                                                      |           |                          |
| 3.1   | Tires type                                                  |           | Polyurethane             |
| 3.3   | Number of load wheels / Size of load wheels                 |           | 2 / 78x78                |
| 3.4   | Number of castor wheels                                     |           | 1                        |
| 3.4   | Number of stabilizer wheels / Size of the stabilizer wheels |           | 2 / 125x50               |
| 3.5   | Number of front wheels / rear wheels                        |           | 2 / 2                    |
| 3.5.2 | Number of drive wheels / Size of drive wheels               |           | 1/230x75                 |
| 3.6   | Front wheel gauge                                           | b10       | 517 mm                   |
| 3.7   | Rear wheel gauge                                            | b11       | 978 mm                   |
|       | Dimensions                                                  |           |                          |
| 4.15  | Fork height in low position                                 | h13       | 85 mm                    |
| 4.19  | Overall length                                              | l1        | 1870 mm                  |
| 4.20  | Length to face of forks                                     | l2        | 720 mm                   |
| 4.21  | Overall width                                               | b1        | 1106 mm                  |
| 4.22  | Forks section / width / length                              | s / e / l | 30 mm / 100 mm / 1150 mm |
| 4.26  | Distance between wheel arms/loading surfaces                | b4        | 850 mm                   |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                     |           | 2B                       |
| 4.24  | Fork carriage width                                         | b3        | 720 m                    |
| 4.25  | Space between arms                                          | b3        | 850/1050/1250            |
| 4.31  | Ground clearance below mast                                 | m1        | 35 mm                    |
| 4.32  | Ground clearance at centre of wheelbase                     | m2        | 20 mm                    |
| 4.35  | Turning radius                                              | Wa        | 1465 mm                  |
| 4.9   | Height tiller min. / max.                                   | h14 / h14 | 1050 mm / 1050 mm        |
|       | Performances                                                |           |                          |
| 5.1   | Travel speed (laden / unladen)                              |           | 6 km/h / 6 km/h          |
| 5.2   | Lifting speed (laden / unladen)                             |           | 0.14 m/s / 0.24 m/s      |
| 5.3   | Lowering speed (laden / unladen)                            |           | 0.30 m/s / 0.20 m/s      |
| 5.8   | Max Gradeability (laden / unladen)                          |           | 8 % / 10 %               |
| 5.10  | Service brake                                               |           | Electro magnetic         |
|       | Engine                                                      |           |                          |
| 6.1   | Drive motor rating S2 60 min                                |           | 1.20 kW                  |
| 6.2   | Lift motor rating at S3 15%                                 |           | 3 kW                     |
| 6.3   | Battery according to DIN 43531/35/36 A, B, C                |           | DIN 43535-B              |
| 6.4   | Battery voltage / capacity                                  |           | 24 V / 180 Ah            |
| 6.5   | Battery weight (+/- 5%)                                     |           | 176 kg                   |
|       | Miscellaneous                                               |           |                          |
| 8.1   | Type of drive control                                       |           | AC                       |
| 8.4   | Sound level at the driver's ear according to DIN 12 053     |           | 65 dB                    |

ES 410 LE - Diagrama dimensional



## Características de los mástiles y capacidad residual

| Full Visibility Duplex (FVD)    |    | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height        | mm | 1940   | 2190   | 2390   |
| h3 - Mast lifting height        | mm | 2940   | 3440   | 3840   |
| h4 - Mast extended height       | mm | 3365   | 3865   | 4265   |
| Residual capacity at max height | kg | 1000   | 900    | 1000   |

| Free Lift Duplex (FLD)          |    | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height        | mm | 1940   | 2190   |
| h2 - Mast free lift             | mm | 1510   | 1760   |
| h3 - Mast lifting height        | mm | 2935   | 3435   |
| h4 - Mast extended height       | mm | 3365   | 3865   |
| Residual capacity at max height | kg | 1000   | 900    |

| Free Lift Triplex (FLT)         |    | FLT 42 |
|---------------------------------|----|--------|
| h1 - Mast lowered height        | mm | 1960   |
| h2 - Mast free lift             | mm | 1470   |
| h3 - Mast lifting height        | mm | 4240   |
| h4 - Mast extended height       | mm | 4240   |
| Residual capacity at max height | kg | 550    |



**Oficina Central**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - Francia

Tel.: 00 33 (0)2 40 09 10 11 - Fax: 00 33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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